

**(19) World Intellectual Property Organization
International Bureau**



(43) International Publication Date
1 March 2001 (01.03.2001)

(10) International Publication Number
WO 01/13704 A1

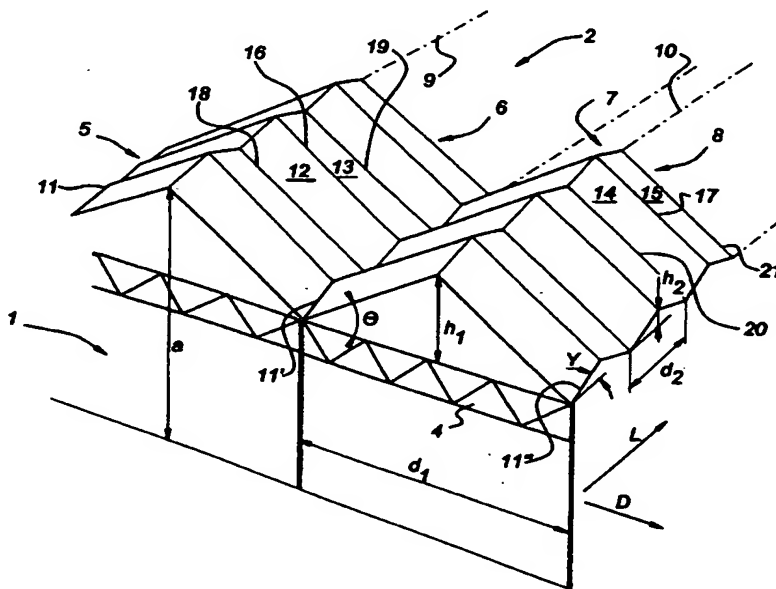
PCT

- (51) International Patent Classification⁷: A01G 9/14
- (21) International Application Number: PCT/NL00/00574
- (22) International Filing Date: 17 August 2000 (17.08.2000)
- (25) Filing Language: Dutch
- (26) Publication Language: English
- (30) Priority Data:
1012866 19 August 1999 (19.08.1999) NL
- (71) Applicant (for all designated States except US): INSTITUUT VOOR MILIEU-EN AGRITECHNIEK (IMAGDLO) [NL/NL]; P.O. Box 43, NL-6700 AA Wageningen (NL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): STOFFERS, Johannes, Andreas [NL/NL]; Nic. Beetsstraat 15, NL-4041 XH Kesteren (NL). SONNEVELD, Pieter, Jan [NL/NL]; Van Schermbeeklaan 8, NL-7603 GJ Wageningen (NL).
- (74) Agent: JORRITSMA, Ruurd; Nederlandsch Octrooibureau, Scheveningseweg 82, P.O. Box 29720, NL-2502 LS The Hague (NL).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
- Published:
— With international search report

Published:
— *With international search report.*

[Continued on next page]

(54) Title: GREENHOUSE AS WELL AS ROOF ELEMENT FOR SUCH A GREENHOUSE HAVING INCREASED LIGHT TRANSMISSION



(57) Abstract: The invention relates to a greenhouse (1) provided with a roof element (2) having a multiplicity of transverse ribs (12, 13, 14, 15) or pyramids uniformly distributed over the roof element. The roof element can be constructed double-walled as a hollow-core sheet from transparent plastic and can comprise a base sheet with the rib-shaped or pyramid-shaped roof surfaces fixed thereon. The light yield in a horticultural greenhouse can be increased by means of the roof elements according to the present invention.

WO 01/13704 A1